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Weekly Report
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The previous report, I read the papers focus on the visualizing of emotional in software engineering. In this report, I try to understand the software engineering in a specific process is requirements engineering. Because of the following the sentiment analysis is a topic in natural language processing. The requirements engineering process is a process that deals with many people, for instance, including engineer and non-engineer. I found a paper [1] talk about the understanding requirements issues in requirements engineering by using natural language processing (NLP) to extract and combined with visualization technique (in this paper uses Venn diagram) to help interpret the requirements issues. I'm quite interested in this research topic, and then I searched other works that cited this paper. I found an interesting master thesis that using NLP and information visualization to analyze app reviews [2] with a kind of SWOT analysis. Also, from the master thesis, I found an emerging of a Crowd-based Requirement Engineering (CrowdRE) [3] that I think it may be suitable to apply the visualization into this topic, because as my preliminary searched in google scholar about "crowd-based + visualization + software engineering" I found a gap in this field.

[1] Dalpiaz, F., van der Schalk, I., & Lucassen, G. (2018, March). Pinpointing Ambiguity and Incompleteness in Requirements Engineering via Information Visualization and NLP. In International Working Conference on Requirements Engineering: Foundation for Software Quality (pp. 119-135). Springer, Cham.

[2] Garcia Parente, M. (2018). Using NLP and Information Visualization to analyze app reviews (Master's thesis).

[3] Ghanyani, U. S., Murad, M., & Mahmood, W. (2018). Crowd-based Requirement Engineering.